

P
Tech
S

LIST
OF THE
MEMBERS

Physical &
Applied Sci.
Serials

THE SOCIETY OF GLASS TECHNOLOGY

III

THE UNIVERSITY, DARNALL ROAD, SHEFFIELD
DECEMBER, 1921

UNIVERSITY OF TORONTO

MAY 29

DEPT. OF
METALLURGICAL ENGINEERING

LIST OF MEMBERS.

HONORARY MEMBER.

Boswell, Prof. P. G. H., Geology Department, The University,
O.B.E., D.Sc., A.R.C.S. Liverpool.

COLLECTIVE MEMBERS.

Abbot Glass Co., Messrs.	Horse Shoe Wharf, Malt Street, Old Kent Road, London, S.E. 1.
Aigues-Mortes, Société Anonyme des Verreries d',	Aigues-Mortes, Gard, France.
Amalgamated Glass Bottle Works, Messrs., Ltd.	Treby Street, Maplin Street, Mile End, London, E. 3.
Asahi Glass Co., Messrs., Ltd.	(Head Office) Marunouchi, Tokyo, Japan.
Asahi Glass Co., Messrs., Ltd.	Tsurumi Factory, Tsurumi, nr. Yokohama, Japan.
Australian Glass Manufacturers Co., Messrs., Ltd.	Spotswood, Victoria, Australia.
Aylesford Sand Co., Messrs., Ltd.	16, Water Lane, Great Tower Street, London, E.C. 3.
Bagley, Messrs., & Co., Ltd.	Crystal Glass Works, Knottingley, Yorks.
Bailey, Messrs. W. A., & Co., Ltd.	148, Audrey House, Ely Place, London, E.C. 1.
Baird, Messrs. John, Ltd.	Glass Manufacturers and Merchants, 99, Milton Street, Glasgow.
Barr & Stroud, Messrs., Ltd.	Annie's Land, Glasgow.
Barron, Messrs. Thos., Ltd.	Mexborough, nr. Rotherham.
Bausch & Lomb Optical Co., Messrs.	Rochester, New York, U.S.A., and 37/38, Hatton Garden, London, E.C. 2.
Beatson, Clark & Co., Messrs., Ltd.	Glass Works, Rotherham.
Belcher, Standley, & Mason, Messrs., Ltd.	Chemical and Scientific Apparatus Dealers and Manufacturers, Church Street, Birmingham.
Bellchambers, Messrs. G.	Belmont Glass Bottle Works, Ronalds Road, Highbury, London, N. 5.

Boam, Messrs. Joseph, Ltd.	<i>Glass-sand Pit Owners</i> , Silver Street, Leicester.
Boulton & Mills, Messrs. Branscomb's Glass Works, Messrs., Ltd.	Audnam Glass Works, Stourbridge. Adderley Street, Birmingham.
Bray, Messrs. Geo., & Co., Ltd. Breddit, Messrs. E., & Co., Ltd.	<i>Gas Lighting Engineers</i> , Leeds. <i>Aire and Calder Glass Bottle Works</i> , Castleford, Yorks.
British Chemical Ware Manufacturers' Association, Messrs., Ltd.	51, Lincoln's Inn Fields, London, W.C. 2.
British & Foreign Bottle Co., Messrs.	40/43, Norfolk Street, Strand, London, W.C. 2.
British Glass Industries, Messrs., Ltd.	Hillidge Road, Hunslet, Leeds, and Stephenson Street, Canning Town, London, E. 16.
British Laboratory Ware Association, Messrs., Ltd.	80A, Coleman Street, London, E.C. 2.
British Thomson-Houston Co., Messrs., Ltd.	Rugby.
Burdin & Co., Messrs., Ltd.	<i>Glass Bottle Manufacturers</i> , Station Glass Works, Knottingley, Yorkshire.
Burtles, Tate, Messrs., Ltd.	<i>Glass Manufacturers</i> , Poland Street, Manchester.
Butterworth Bros., Messrs., Ltd.	Newton Heath Flint Glass Works, Manchester.
Caledonian Bottle Works, Messrs., Ltd.	169, Murano Street, Firhill, Glasgow.
Campbell Brothers, Messrs.	<i>Glass, Oil and Colour Merchants</i> , 19, 21, and 23, Frankling Street, Belfast.
Chance Bros. & Co., Messrs., Ltd.	Glass Works, Smethwick, Birmingham.
Charbonneaux & Cie., Messieurs.	Verreries de Reims, Reims, France.
City Glass Bottle Co., Messrs., Ltd.	Canning Town, London, E. 16.
Crosfield, Messrs. Joseph, & Sons, Ltd.	Warrington.
Crystal Glass, Messrs., Ltd.	58, Pitt Street, Sydney, New South Wales, Australia.
Dale, Brown & Co., Messrs., Ltd.	<i>Glass Bottle Manufacturers</i> , Swinton, nr. Rotherham.
Davey & Moore, Messrs.	<i>Glass Bottle Manufacturers</i> , Blundell Street, Caledonian Road, London, N.
Dennistoun Glass Works, Messrs., Ltd.	174, Glenpark Street, Dennistoun, Glasgow.

- Derby Crown Glass Co., Little Chester, Derby.
Messrs., Ltd.
- Dixon, Messrs. H. L., & Co. P.O. Box 140, Pittsburgh, Pa., U.S.A.
- Down Bros., Messrs., Ltd. *Surgical Instrument Manufacturers,*
21–23, St. Thomas Street, Borough,
London, S.E. 1.
- Edison Swan Electric Co., Ponder's End, Middlesex.
Messrs., Ltd.
- English Electric Co., Messrs., Queen's House, Kingsway, London,
Ltd. W.C. 2.
- Fleming, Messrs. J., & Co. Amblecote Glass Works, Stourbridge.
Fletchers' Sauce Co., Messrs.,
Ltd. Selby, Yorks.
- Forster's Glass Co., Messrs., Atlas Glass Works, St. Helens, Lancs.
Ltd.
- Gale, Messrs. Ronald, & Co. *Glass Bottle Manufacturers,* 145,
Cannon St., London, E.C. 4.
- Gallenkamp, Messrs. A., & *Scientific Apparatus Dealers and*
Co., Ltd. *Manufacturers,* 19–21, Sun St.,
Finsbury Sq., London, E.C. 2.
- Garston Bottle Co., Messrs., Off Window Lane, Garston, Liver-
pool.
- General Electric Co., Messrs., 67, Queen Victoria Street, London,
Ltd. E.C. 4.
- General Surgical Co., Messrs., 147 and 149, Farringdon Road,
Ltd. London, E.C. 1.
- Glass Research Association, 50, Bedford Square, London, W.C. 1.
Messrs.
- Glaziers of the City of London, 11, Maiden Lane, Queen Street,
The Worshipful Company of London, E.C. 4.
- Gregg & Co., Messrs. *Glass Bottle Manufacturers,* Hope
Glass Works, Knottingley, York-
shire.
- Griffin, Messrs. J. J., & Sons, *Chemical and Scientific Apparatus*
Ltd. *Dealers and Manufacturers,*
Kingsway, London, W.C.
- Hall, John, & Co., of Stour- Fireclay Works, Stourbridge.
bridge, Messrs., Ltd.
- Hartford-Fairmont Company, *Manufacturers of Automatic Glass-*
Messrs. *making Machinery,* Hartford, Con-
necticut, U.S.A.
- Harvey Gas Furnace Co., 78, Victoria Street, Westminster,
Messrs. E. W., Ltd. London, S.W. 1.
- Hawkes, O. C., Messrs., Ltd. Globe Works, Bromsgrove Street,
Birmingham.
- Hilger, Messrs. Adam, Ltd. *Astronomical and Optical Instru-*
ment Makers, 75A, Camden Road,
London, N.W. 1.
- Hyposol, Messrs., Ltd. High Road, Wealdstone, Harrow.

Icknield Glassworks (Oslers'), Freeth Street, Birmingham.

Messrs., Ltd.

Industrielle, Société, de Vererie 56, Rue Laffitte, Paris, France.

Jackson Bros. (of Knottingley), Messrs., Ltd. Headland Glass Works, Knottingley, Yorks.

Johnsen & Jørgensen, Messrs., Ltd. *Bottle and Glassware Manufacturers,* 26-27, Farringdon St., London, E.C.

Johnston, Messrs. R., & Co., Ltd. 40/43, Norfolk Street, Strand, London, W.C. 2.

Kilner Bros., Messrs., Ltd. *Glass Bottle Manufacturers,* Conisboro', nr. Rotherham.

King, Taudevin & Gregson, Messrs., Ltd. *Consulting Engineers and Furnace Builders,* Melbourne Chambers, Cambridge Street, Sheffield.

Kinghorn Bottle Co., Messrs., Ltd. Kinghorn, Fifeshire, Scotland.

Lambeth Glass Works, Ltd. 3, London Wall Buildings, London Wall, London, E.C. 2.

Lane, Josiah, & Sons, Messrs., Ltd. Park Road, Eve Hill, Dudley.

Lang, Messrs. Jules, & Son Charlton Works, Charlton Place, Islington, London, N. 1.

Leerdam, Glasfabriek, Messrs.

Lemington Glassworks, Messrs., Ltd. Leerdam, Holland.

Lemington-on-Tyne. Lewis & Towers, Ltd., Messrs.

Hartwell Street, Dalston Junction, London, E. 8.

Liddle, Henzell & Co., Messrs., Ltd. Ouseburn Glass Works, Newcastle-upon-Tyne.

London Bottle Co., Messrs., Ltd. 165, Fenchurch Street, London, E.C. 3.

Ludford & Co., Messrs. Flint Glass Bottle Works, Brooksby's Walk, Homerton, London, E. 9.

Lumb, Messrs. John, & Co., Ltd. Glass Works, Castleford, Yorks.

Miller, Messrs. Wm. J.

Manufacturers of Glass-making Machinery, Swissvale, Pa., U.S.A., and 2, Southampton Street, Strand, London, W.C. 2.

Moncrieff, Messrs. John, Ltd.

Perth, Scotland.

National Glass Co., Messrs.

1, Charterhouse Street, Holborn Circus, London, E.C. 1.

Naylor Bros., Messrs.

Denby Dale, nr. Huddersfield.

Negretti & Zambra, Messrs.

38, Holborn Viaduct, London, E.C. 1.

Nelson, Wm., Messrs., Ltd.	Ancoats Glass Works, Pollard Street, Manchester.
North British Bottle Manufacturing Co., Messrs., Ltd.	515, Old Shettleston Road, Shettleston, Glasgow.
Northern Association of Pressed Glass Manufacturers	(Secretary), Messrs. Sowerby's Ellison Glass Works, Ltd., Gateshead-on-Tyne.
Palatine Glass Co., Messrs., Ltd.	St. Simon Street, Salford, Manchester.
Parsons, C. A., & Co., Messrs., Ltd.	Heaton Works, Newcastle-on-Tyne.
Peacock, Messrs. B., & Sons	Glass Bottle Works, Castleford.
Pearce, Wm. and E. Cutler, Messrs., Ltd.	Bridge Street, Broad Street, Birmingham.
Pearson, Messrs. E. J. & J., Ltd.	Stourbridge, Staffs.
Pickerdite & Co., Messrs.	<i>Glass Bottle Manufacturers, 1 and 2, Eagle Wharf Road, New North Road, London, N. 1.</i>
Pilkington Brothers, Messrs., Ltd.	Glass Works, St. Helens, Lancashire.
Pittsburgh Plate Glass Co., Messrs.	Pittsburgh, Pa., U.S.A.
Powell, Messrs. J., & Sons (Whitefriars), Ltd.	Whitefriars Glass Works, Whitefriars, London, E.C.
Powell & Ricketts, Messrs., Ltd.	Phoenix Glass Bottle Works, Cheese Lane, Bristol.
Power Gas Corporation, Messrs., Ltd.	Parkfield Works, Stockton-on-Tees.
Queenborough Glass Bottle Works, Messrs., Ltd.	Queenborough, nr. Sheerness-on-Sea, and 296/302, High Holborn, London, W.C. 1.
Redfearn Bros., Messrs., Ltd.	Old Mill Glass Bottle Works, Barnsley.
Reynolds & Branson, Messrs., Ltd.	<i>Chemical and Scientific Apparatus Dealers and Manufacturers, 13, Briggate, and 14, Commercial Street, Leeds.</i>
Richmond Gas Stove and Meter Co., Messrs., Ltd.	Academy Street, Warrington.
Robinson, Nelson & Co., Messrs.	378, City Road, Old Trafford, Manchester.
Robinson, Son & Co., Messrs.	Mersey Glass Works, Bank Quay, Warrington.
Rylands Glass & Engineering Co., Messrs., Ltd.	Stairfoot, Barnsley.
Saint Gobain, Glaceries de la, Cie de	1 ^{bis} Place des Saussaies, Paris, France.

Scott, Greenwood & Son, Messrs., Proprietors of <i>The Pottery Gazette</i>	8, Broadway, Ludgate Hill, London, E.C. 4.
Scottish Central Glass Works, Messrs., Ltd.	Alloa, Clackmannanshire.
Sheraton Glass Manufacturing Co., Ltd., Messrs.	36-38 Victoria Street, Westminster, London, S.W. 1.
Simon Carves, Messrs., Ltd.	20, Mount Street, Manchester.
South African Glass Works, Messrs., Ltd.	Johannesburg, Transvaal.
Stein, John G., & Co., Messrs., Ltd.	<i>Silica and Firebrick Manufacturers</i> , Bonnybridge, Scotland.
Stein & Atkinson, Messrs.	47, Victoria Street, Westminster, London, S.W. 1.
Stevens, James, & Son, Messrs.	Victoria Glass Works, Dartmouth Street, Birmingham.
Stevens & Williams, Messrs., Ltd.	Brierley Hill Glass Works, Brierley Hill, Staffs.
Stuart & Sons, Messrs., Ltd.	Red House Glass Works, Stourbridge.
Sutcliffe, J. W., & Co., Messrs.	<i>Glass Bottle Manufacturers</i> , 52, Queen Victoria Street, London, E.C. 4.
Taylor, F. H., & Sons, Messrs.	131, Seven Sisters Road, London, N.
Taylor, Taylor & Hobson, Messrs., Ltd.	<i>Optical and Scientific Instrument Makers</i> , Stoughton Street Works, Leicester.
Tennent, Messrs. J. & R., Ltd.	Wellpark Brewery, Glasgow.
Thomas, Arthur H., Co.	West Washington Square, Philadelphia, U.S.A.
Thompson Glass Co., Messrs.	Vine Street, Hart's Hill, Brierley Hill, Staffs.
Tomey, Messrs. Joseph, & Sons, Ltd.	Glass Works, Catherine Street, Aston, Birmingham.
Tomlinson & Co., Messrs., Ltd.	Manor Flint Glass Works, Stairfoot, Barnsley.
Towers, Messrs. J. W., & Co., Ltd.	<i>Chemical and Scientific Apparatus Dealers and Manufacturers</i> , Victoria House, Widnes, Lancs.
Townson & Mercer, Messrs., Ltd.	34, Camomile Street, London, E.C. 3.
United Glass Bottle Manufacturers, Messrs., Ltd.	40-43, Norfolk Street, Strand, London, W.C. 2, and Charlton, Kent.
United Kingdom Glass Co., Messrs., Ltd.	103, Wool Exchange, Coleman Street, London, E.C. 2, and Dawley, Hayes, Middlesex.
Universal Grinding Wheel Co., Messrs., Ltd.	Universal Works, Stafford.
Waddington, Messrs. P., & Sons, Ltd.	<i>Glass Bottle Manufacturers</i> , Mexborough.

Walkers, Parker & Co., Messrs., Ltd.	Elswick Lead Works, Newcastle-upon-Tyne.
Walsh, John Walsh, Messrs.	Soho and Vesta Glass Works, Birmingham.
Webb & Corbett, Messrs. Thos., Ltd.	Coalbournhill Glass Works, Stourbridge.
Webb's Crystal Glass Co., Messrs., Ltd.	Edinburgh, Leith Flint Glass Works, Norton Park, Edinburgh.
Webb's Crystal Glass Co., Messrs., Ltd.	41-43, Norfolk Street, Strand, London, W.C. 2.
Welsbach Light Co., Messrs., Ltd.	344/354, Gray's Inn Road, King's Cross, London, W.C. 1.
Western India Prospecting Syndicate, Messrs., Ltd.	Cawnpore, India.
Wiggin, H., & Co., Messrs., Ltd.	Wiggin Street Works, Birmingham.
Wood Bros. Glass Co., Messrs., Ltd.	Glass Works, Pontefract Road, Barnsley.
Wood's Bottle Works (1920), Messrs., Ltd.	Portobello, Edinburgh.
Wright, David, & Co., Messrs., Ltd.	Bottle Manufacturers, Stranmillis Rd., Belfast.

ORDINARY MEMBERS.

Adams, A. H.	Red House, Stocksfield.
Adams, Frederick William, M.Sc.	34, Park Road, Sutton Coldfield, and Messrs. Rockware Glass Syndicate Ltd., Greenford, Middlesex.
Adamson, J.	Works Manager, Messrs. Ayres Quay Bottle Co., Sunderland.
Adamson, Robert,	Messrs. Rockware Glass Syndicate, Ltd., Greenford, Middlesex.
Akehurst, J. C.	Messrs. United States Glass Co., 55, Farringdon St., London, E.C. 4.
Alison, Archibald	35, Gleneldon Road, Streatham, London, S.W. 16.
Allen, B. J.	Llangladure, Caverswall Road, Blythe Bridge, Staffs.
Ambrose, E., M.I.E.E.	Messrs. Osmosis Co., Ltd., Grosvenor Cottages, Eaton Terrace, Sloane Square, London, S.W.
Amenomiya, Y.	Messrs. Asahi Glass Co., Ltd., Laboratory, Ushigome, Tokio, Japan.
Arch, J. B.	c/o Messrs. Tuxford Lamp and Glass Works, Boston, Lincs.
Arch, P. B.	4, Queen's Road, Boston, Lincs.
Archer, Clodien	Directeur des Verreries de l'Etablissemment de St. Galmier, Veauce, Loire, France.
Arnold, H. C., B.Sc., M.A.	113, North Avenue, Washington, Pa., U.S.A.

- Ashcroft, J. Grove House, Ravenhead, St. Helens.
- Atack, William 52, Pottery Street, Whitwood, Mere, Castleford.
- Atkinson, J. S. Messrs. Stein & Atkinson, Ltd., 47, Victoria Street, Westminster, London, S.W. 1.
- Aurien, George Superintendent, Messrs. Mississippi Glass Co., 4070, N. Main Street, St. Louis, Mo., U.S.A.
- Bache, Norman S. 8, Bank Street, Brierley Hill, Staffs.
- Baillie, W. L., A.I.C. Directorate of Chemical Inspection, Royal Arsenal, Woolwich, and 40, Dunvegan Road, Eltham, London, S.E. 9.
- Bain, R. D., Ph.D. Messrs. Caribonum Company, Ltd., Leyton, London, E. 10.
- Baird, Douglas H. Messrs. Baird & Tatlock, Ltd., 14, Cross Street, Hatton Garden, London, E.C. 1.
- Ballans, G. W. *Glass Worker*, 139, White Lee Road, Swinton, Rotherham, and Department of Glass Technology, The University, Sheffield.
- Barker, James William *Engineer*, Messrs. Stein & Atkinson, Ltd., 47, Victoria Street, Westminster, London, S.W. 1.
- Barker, Wilfred R. Messrs. Wood Bros. Glass Co., Ltd., Glass Works, Pontefract Road, Barnsley, and 64, Grove Street, Barnsley.
- Barker, William 69, Blenheim Road, Barnsley, and Messrs. Wood Bros. Glass Co., Ltd., Glass Bottle Works, Wombwell.
- Barraclough, S. *Engineer*, Union Foundry, Barnsley.
- Barras, E. 66, Valnay Street, Tooting, London, S.W.
- Barras, George W. Glass Works, Lemington-on-Tyne.
- Barrows, H. H., B.S. Oakland Mazda Lamp Division of General Electric Co., Oakland, California, U.S.A.
- Bartlett, E. E. *Glass Manufacturer*, 502, South Division Street, Sapulpa, Oklahoma, U.S.A.
- Barton, George E., M.Sc. 227, Pine Street, Millville, N.J., U.S.A.
- Bateson, George E. Messrs. Bateson Bros., Spekeland Road, Edge Hill, Liverpool.
- Bateson, Herbert A. Messrs. Bateson Bros., Spekeland Road, Edge Hill, Liverpool.
- Beaumont, P. J. *General Manager*, Messrs. Beaumont Glass Co., Morgantown, W. Va., U.S.A.

- Beddow, Fred., D.Sc., Ph.D. Park Wood, Waterlooville, Hants.
 Bennett, Arthur J. President, Messrs. Cambridge Glass Co., Cambridge, Ohio, U.S.A.
- Bennett, Wm. Director, International Bottle Co., Ltd., 48, Fore Street, London, E.C. 2.
- Bhargava, K. P. Proprietor, Naini Glass Works, Naini, E.I.R. India, and 235, Bahadurganj, Allahabad, U.P. India.
- Bianchedi, Romulo Consulting Engineer, Calle Junin, 1028, Buenos Aires, Argentina.
- Bickerton, J. H. 52, Withington St., Pendleton, Manchester.
- Biram, R. S. 90, Broadhurst Gardens, South Hampstead, London, N.W. 6
- Bishop, C. J. Messrs. S. and C. Bishop & Co., St. Helens Glass Tube Works, St. Helens, Lancs.
- Bishop, Prof. W. W. Librarian, University of Michigan, U.S.A.
- Black, Benjamin Messrs. Black, Son & Spencer, Thermometer Manufacturers, 1, Green Terrace, Rosebery Avenue, London, E.C. 1.
- Blackmore, Hubert S. 74, Kendal Road, Hillsborough, Sheffield.
- Bliss, Edwin C. 612, Cherry Street, Philadelphia, Pa., U.S.A.
- Bonson, A. Glass Pot Maker, 21, Corporation Street, Barnsley.
- Bose, S. N., M.A. Messrs. Audittya Chandra Bose & Sons, 191, Old China Bazar Street, Calcutta, India.
- Bottomley, J. Frank, Ph.D. Messrs. Thermal Syndicate, Ltd., Neptune Bank, Wallsend-on-Tyne.
- Bourne, T. L. Messrs. Spencer Lens Co., Buffalo, New York, U.S.A.
- Bowen, G. M. Fireclay Goods Manufacturer, Messrs. Bowen & Edwards, 93, Northwood Street, Birmingham.
- Boyden, Mrs. E. S. Librarian, Messrs. American Optical Co., 2, Taft Street, Southbridge, Mass., U.S.A.
- Brann, A., M.A., Ph.D. 220, Springdale Avenue, East Orange, N.J., U.S.A.
- Branson, F. W., F.I.C. Messrs. Reynolds & Branson, 14, Commercial Street, Leeds.
- Brenner, R. F. Chief-Chemist, Messrs. Bartlett-Collins Glass Co., Sapulpa, Oklahoma, U.S.A.
- Briscoe, Prof. H. V. A., D.Sc., A.R.C.Sc., D.I.C. Professor of Inorganic and Physical Chemistry, Armstrong College, Newcastle-upon-Tyne.
- Brook, Miss M., B.Sc. 34, Honoria Street, Huddersfield.

Brookes, W. H.	<i>Manager</i> , Union Glass Works, Talana, Natal, South Africa.
Brooks, C. Guilday	<i>Director</i> , Messrs. Young & Hodgson, Ltd., York House, 140-142, King's Cross Road, London, W.C. 1.
Brown, Carl A.	<i>Manager</i> , Glass Machine Department, National Lamp Works of the General Electric Co., Cleveland, O., U.S.A.
Brown, Edmund	<i>Manager</i> , Floreffe Plant of the Mississippi Glass Co., 510, West Front Street, Perrysburg, O., U.S.A.
Brown, Noel Alfred	Verona, Cornwall Road, Harpenden, Herts.
Brown, Wilbur F., A.B.	The Libbey-Owens Sheet Glass Co., Charleston, W. Va., U.S.A.
Bruner, Louis N.	Hotel Cecil, Strand, London, W.C. 2.
Bruner, Preston M.	524, Frisco Building, St. Louis, Mo., U.S.A.
Bryson, F.F.S., M.B.E., M.A., B.Sc., F.Inst.P.	<i>Physicist</i> , Glass Research Association, 50, Bedford Square, London, W.C.1, and 12, Oppidans Road, London, N.W. 3.
Buck, George G.	<i>Glass Bottle Manufacturer</i> , 1228, St. Paul Street, Baltimore, Md., U.S.A.
Bullimore, W. R.	<i>X-Ray Tube & Electric Lamp Manufacturer</i> , Aberdeen Works, Aberdeen Lane, Highbury Grove, London, N. 5.
Bunce, A., A.I.C., A.C.G.I.	Research Laboratories, Messrs. British Glass Industries, Ltd., Anchor and Hope Lane, Charlton, London, S.E. 7.
Bunge, J. H. O.	Greenford Hill, Greenford, Middlesex.
Bunniss, Harold	<i>Glass Works Manager</i> , Messrs. Aldham Glass Bottle Works Co., Wombwell.
Burgess, M. L.	Messrs. Marietta Manufacturing Co., Indianapolis, and 989, E. Drive, Woodruff Place, Indianapolis, U.S.A.
Butler, W.	312, Gillott Road, Birmingham, and Messrs. Icknield Glassworks (Oslers'), Ltd., Freeth Street, Birmingham.
Butterworth, L. M.	Messrs. Butterworth Bros., Ltd., Newton Heath Flint Glass Works, Manchester.
Calderara, A. E.	Messrs. S. & A. Calderara, Manufacturers of Scientific Instruments, 10, Cross Street, Hatton Garden, London, E.C. 1.

Cameron, H. Gordon	Messrs. Cosmos Lamp Works, Ltd., Brimsdown, Enfield, Middlesex, and 1, Palace Mansions, Palace Gardens, Enfield, Middlesex.
Carder, Frederick	Messrs. Steuben Glass Works, Corning, New York, U.S.A.
Carder, George J.	<i>Principal, Art and Technical Institute, Wordsley, Stourbridge, Staffs.</i>
Carpenter, Bert	4, Coniston Road, Barnsley.
Carspecken, H. L.	<i>Building Glass Manufacture, Messrs. Mississippi Wire Glass Co., Morgantown, W. Va., U.S.A.</i>
Cauwood, J. D., M.Sc., A.I.C.	Messrs. British Glass Industries, Ltd., Stephenson Street, Canning Town, London, E. 16.
Chance, Edward F.	Messrs. Chance Bros. & Co., Ltd., Glass Works, Smethwick, Birmingham.
Chandorkar, R. D.	c/o Paisa Fund Glass Works, Talegaon (Dabhada), India.
Chaumeton, P., B.Sc., A.I.C.	<i>Sales Manager, Messrs. Duroglass, Ltd., 40/43, Norfolk Street, Strand, London, W.C. 2.</i>
Cheshire, Prof. F. J., C.B.E.	Department of Technical Optics, Imperial College of Science and Technology, South Kensington, London, S.W. 7.
Chidell, C. A.	Messrs. South African Breweries, Ltd., 8/10, Gt. St. Helens, London, E.C. 3.
Christmas, Edwin B., A.M.I.Mech.E.	<i>Consulting and Mechanical Engineer, 300, Caxton House, Westminster, London, S.W. 1.</i>
Clapham, John P., A.M.I.Mech.E.	Messrs. Rylands' Glass and Engineering Works, Stairfoot, Barnsley.
Clark, Fred G.	Messrs. Beatson, Clark & Co., Ltd., Glass Works, Rotherham.
Clark, Herbert A., B.S., A.M., Ph.D.	<i>Physicist, Messrs. Taylor Instrument Companies, 93, Ames Street, Rochester, New York, U.S.A.</i>
Clark, H. Noel	Messrs. Beatson, Clark & Co., Ltd., Glass Works, Rotherham.
Clark, Walter Gordon	<i>Consulting Electrical Engineer, 149, Broadway, New York, U.S.A.</i>
Clark, W. M., Ph.B.	Nela Park, Cleveland, O., U.S.A.
Clarke, G. Wilson	Messrs. York Glass Co., Ltd., Fisher-gate, York.
Clarke, J. R., M.Sc., F.Inst.P.	The Physics Department, The University, Sheffield.
Clarke, W. B.	Messrs. Edison Swan Electric Co., Ltd., Ponders End, Middlesex.
Claudon, Charles F.	1120, Bent Avenue, So. Pasadena, Cal., U.S.A.

Clegg, A. E.	Messrs. B. W. Clegg & Son, Engineers, Balmoral St., Hunslet, Leeds.
Coad-Pryor, Eric A., B.A.	<i>Director of Laboratories</i> , Messrs. British Glass Industries, Ltd., Charlton, London, S.E. 7, and Milford, Park Road, Teddington.
Cobb, Prof. J. W., C.B.E. B.Sc., F.I.C.	Coal, Gas and Fuel Industries De- partment, The University, Leeds.
Cole, G. Percy	Messrs. Dominion Glass Co., Ltd., Montreal, Canada.
Connolly, J.	The Lallies, 1, Moorfield Road, Pendleton, Manchester.
Cooper, George W.	<i>Publisher</i> , 19, Liberty Street, New York City, New York, U.S.A.
Coppe, Jules	Glass Blower, 16, East Street, Gateshead.
Coppock, J. B., B.Sc., F.I.C.	County Hall, Wakefield.
Corbett, J. P.	8, Field Grove, Belmont Street, Mexboro'.
Corl, R. M.	328, Bank of Commerce Building, Toledo, O., U.S.A.
Cossor, F.	Messrs. A. C. Cossor & Son, <i>Scientific Instrument Makers</i> , Vale Road, Finsbury Park, London, N. 4.
Cousen, Arnold, A.R.C.S., A.I.C.	<i>Assistant Lecturer and Demonstrator</i> , Department of Glass Technology, The University, Sheffield, and 43, Westbrook Bank, Sheffield.
Cruikshank, J. W.	230, Fifth Avenue, Pittsburgh, Pa., U.S.A.
Currie, John, M.A.	Hill Place, Alloa, and Messrs. Scottish Central Glass Works, Ltd., Alloa.
Curtis, A. L.	39, London Road, Chatteris, Cam- bridgeshire.
Dannatt, F. C., A.M.I.E.E.	British Scientific Apparatus Manu- facturers, Ltd., Salle d'Exposition, 198, Rue Saint Jacques, Paris (5E).
Davidson, J. H., M.Sc., F.I.C.	3, Park Grove, Barnsley, and Messrs. Wood Bros. Glass Co., Ltd., Ponte- fract Road, Barnsley.
Davidson, T.	Messrs. George Davidson & Co., Teams Glass Works, Gateshead- on-Tyne.
Davis, C. N.	General Manager, Pacific Coast Glass Co., San Francisco, U.S.A.
Day, Dr. Arthur L.	<i>Director</i> , Geophysical Laboratory, Washington, D.C., U.S.A.
De, Kunjabehari, B.A., B.Sc.	<i>Engineer</i> , Messrs. The Allahabad Glass Works, Naini, U.P. India, and 7A, British Indian Street, Calcutta.
De Artigas, J. Antonio, Dr.Sc., Dr.Ing.	4, Arrieta, Madrid, Spain.

Dimbleby, Miss V., B.Sc.	<i>Research Assistant</i> , Department of Glass Technology, The University, Sheffield.
Dixon-Nuttall, F. R.	Ingleholme, Eccleston Park, Prescot, Lancs., and Messrs. Nuttall & Co., Ltd., Glass Bottle Works, St. Helens.
Dodds, A.	Messrs. Sowerby's Ellison Glass Works, Ltd., Gateshead-on-Tyne.
Dowell, R. S.	Messrs. John Dowell & Sons, Ltd., Globe Works, Chatsworth Road, Clapton Park, London, E. 5.
Dowse, G.	22, Portman Avenue, East Sheen, London, S.W. 14.
Drinkwater, R.	Womersley Road, Knottingley, Yorks.
Dufour, G. F.	<i>Engineer</i> , 54, Rue Ducret, Aniche (Nord), France.
Duguid, Charles	<i>Banker</i> , Park Lodge, New Barnet, and Commerical Bank of London, Austin Friars, London, E.C. 2.
Duncan, George S., M.A., B.Sc., F.C.I.S.	Department of Glass Technology, The University, Sheffield.
Durand, E.	Messrs. C. Melin & Co., <i>Glassware Machinery Manufacturers</i> , 7, India Street, Crutched Friars, London, E.C. 3.
Easton, W. B.	Messrs. Wm. Nelson, Ltd., Ancoats Glass Works, Pollard Street, Manchester.
Eaves, T. W.	<i>Manager</i> , North Worcestershire Glass Co., Stourbridge.
Edward, F., A.M.I.M.E.	Messrs. United Glass Bottle Manufacturers, Ltd., 40/43, Norfolk Street, Strand, London, W.C. 2.
Elledge, Harvey G., B.S., M.S., Ph.D.	Technical Service Division, Messrs. Diamond Alkali Co., Pittsburgh, Pa., U.S.A., and 3384, Webster Avenue, Pittsburgh.
Elsden, A. V., B.Sc., F.I.C.	15, Coleraine Road, Westcombe Park, Blackheath, London, S.E. 3.
Else, Wm. S.	<i>Glass Manufacturer</i> , 89, Cross Lane, Newton-le-Willows, Lancs.
England, H. C. C.	19, St. Helens Place, Castleford, Yorks.
English, S., M.Sc., A.I.C.	Department of Glass Technology, The University, Sheffield, and 39, Cairns Road, Sheffield.
Eugster, Lt.-Col. O. L., D.S.O.	<i>Managing Director</i> , British Syphon Manufacturing Co., Ltd., Barnsbury Street, London, N. 1.

Evans, E. A.	15, Hilton Crescent, Prestwich, Manchester.
Evans, William	<i>Chairman</i> , Messrs. Western Glass Bottle Co., Ltd., Crindau Works, Newport, Mon.
Fearnsides, Prof. W. G., M.A.	Department of Geology, The University, Sheffield, and 10, Silver Birch Avenue, Fulwood, Sheffield.
Ferguson, A.	Tolgullow House, Scorrier, S.O., Cornwall.
Ferry, T. W.	Messrs. Tyne Glass Works, Ltd., Pipewellgate, Gateshead-on-Tyne.
Field, James	Ferndale Park Road, Smethwick, Birmingham.
Firth, Miss E. M., B.Sc.	Department of Glass Technology, The University, Sheffield.
Fish, R. J. L.	61, Dacre Hill, Rock Ferry, <i>Buyer</i> , Messrs. Lever Brothers, Ltd., Port Sunlight.
Fisher, Elbert E.	2749, Monroe Street, Toledo, Ohio, U.S.A.
Flint, Francis C., B.S.	331, South Main Street, Washington, Pa., U.S.A.
Fogelberg, C. G., R.W.O.	Glass Works, Kosta, Sweden.
Fogelberg, C. G. Sven H.	Glass Works, Kosta, Sweden.
Forster, A. Lindsay	Glasgow Glass Works, Firhill, Glasgow.
Foster, F. G.	81, Micklegate, Selby.
Foster, Major W. L., D.S.O., C.B.E.	Messrs. Chance Bros. & Co., Ltd., Glass Works, Smethwick, Birmingham.
Fox, J. C.	16, Westover Road, Wandsworth, London, S.W. 18 (<i>Departmental Manager</i>), Morgan Crucible Co., Ltd., Battersea, Works, London, S.W. 11.
Foxon, J. E.	<i>Production Manager</i> , Messrs. United Glass Bottle Manufacturers (Charlton), Ltd., London, S.E. 7.
Franzen, Nick	<i>Manager</i> , Messrs. Mississippi Glass Co., Port Allegany, Pa., U.S.A.
French, J. W., D.Sc.	Messrs. Barr & Stroud, Ltd., Anniesland, Glasgow, and 23, Kirkleaa Road, Glasgow.
Friend, John Newton, D.Sc., Ph.D., F.I.C.	<i>Head of Chemistry Department</i> , Municipal Technical School, Birmingham.
Frink, R. L.	<i>Director</i> , Messrs Glass Research Association, 50, Bedford Square, London, W.C. 1.
Galbally, William	<i>General Factory Superintendent</i> , Messrs. United Glass Bottle Manufacturers, Ltd., Charlton, London, S.E. 7.

Gardner, W. J.	Messrs. Meltham Silica Fire Brick Co., Ltd., Meltham, nr. Huddersfield.
Gass, G. P.	418, Manchester Road, Bolton, and The Hollins The Haulgh, Bolton.
Gawler, R., M.Sc., F.I.C.	Central Technical School, Leeds Institute, Cookridge St., Leeds.
Ghosh, P. N., M.A.,	<i>Lecturer in Optics</i> , University College of Science, Calcutta, India.
Gifford, Lt.-Col. J. W., F.R.A.S.	Oaklands, Chard, Somerset.
Giles, Capt. A. S., M.C.	Messrs. J. Stevens & Son, Dartmouth Street, Birmingham.
Gillinder, Edgar	Messrs. Gillinder & Sons, Philadelphia, Pa., U.S.A.
Gillinder, James, B.S.	Messrs. Gillinder Bros., Port Jervis, New York, U.S.A.
Gleason, Marshall W.	864, Park Place, Brooklyn, New York, U.S.A.
Goodbody, Clement R.	<i>Glass Bottle Manufacturer</i> , Messrs. R. H. Barrett, Ltd., The Oval, Cambridge Heath, London, E. 2.
Gordon, Donald Dean	<i>Superintendent</i> , Messrs. Dominion Glass Co., Ltd., Wallaceburg, Ontario, Canada.
Gordon, William Aaron	<i>Engineer</i> , Messrs. Kilner Bros., Ltd., Conisboro'.
Gorton, A. F., B.A., M.A., Ph.D.	Physicist, Research Laboratory, Messrs. National Malleable Castings Co., Cleveland, Ohio, U.S.A.
Goslin, J.	12B, Nourse Street, Troyville, Johannesburg, Transvaal, S. Africa.
Graham, Adelbert	<i>Manager</i> , Pitney Glass Division, National Lamp Works, General Electric Co., Cleveland, Ohio, U.S.A.
Graham, J. L.	<i>Engineer</i> , 2, Central Buildings, Westminster, London, S.W. 1.
Graham, Samuel	<i>Bottle Manufacturer</i> , Cook Place, Belfast, and 23, Hatfield Street, Belfast.
Graham, Wm.	6, Barton Buildings, Kinghorn, Fife-shire.
Greene, J. F.	<i>Chemical Engineer</i> , Messrs. Kimble Glass Co., Vineland, N.J., U.S.A.
Greenwood, Eli	<i>Glass Bottle Manufacturer</i> , 6, Leak Yard, Hunslet, Leeds.
Grint, W. H.	11, Evershot Road, Tollington Park, London, N. 4.
Hadfield, Sir Robt. A. (Bart.), D.Met., F.R.S.	22, Carlton House Terrace, London, S.W.
Haig, Wilfred George	9, Bowyer Road, Saltley, Birmingham.

- Haigh, John W. Nambucca Heads, North Coast, New South Wales, Australia.
- Hailwood, E. A. Messrs. Ackroyd & Best, Ltd., Morley, Leeds, and The Towers, Laneside, Churwell, Leeds.
- Haller, Percy, M.Sc. Technical Chemist, Messrs. Forster's Glass Co., Ltd., Atlas Glass Works, St. Helens.
- Halse, Col. S. C., C.M.G. Manager, Messrs. John Lumb & Co., Ltd., Castleford, Yorks.
- Hampshire, F. W. Messrs. British Glass Bottles, Ltd., Rowditch, Derby, and Ker-Mor, St. Mawes, Cornwall.
- Hampson, Frederick Perseverance Glass Works, Duncan Street, Salford.
- Handley, Bernard, Cut Glass Manufacturer, 308, Granville Road, Sheffield.
- Hands, H. J. Messrs. T. J. Hands & Son, Aston Glass Works, Chester Street, Birmingham.
- Hartshorn, W. D. Glass Merchant, 11, Wensum Street, Norwich.
- Hefford, George W., B.Sc., F.I.C. 30, Salisbury Road, Moseley, Birmingham.
- Heisey, A. H. Messrs. A. H. Heisey & Co., Newark, Ohio, U.S.A.
- Hemingway, Ralph 37, Garden Street, Mexborough, and Messrs. Turner's Glass Works Co., Ltd., Worksop.
- Henry, Kenneth M., A.B. Chemist, Messrs. Illinois Pacific Glass Co., San Francisco, U.S.A.
- Herdt, Henry D., B.Sc. Glass Manufacturer, Messrs. Dominion Glass Co., Ltd., 285, Beaver Hall Hill, Montreal, Canada.
- Herman, D. de l', F.I.C. Holm Lea, Rainhill, Lancashire.
- Hess, H. W., B.S., M.S. The Libbey Glass Co., Toledo, Ohio, U.S.A.
- Hettinger, E. L. 1325, Mineral Spring Road, Reading, Pa., U.S.A.
- Heuisler, Philip I., B.S., M.S. Bromo Seltzer, Tower Buildings, Baltimore, Maryland, U.S.A.
- Higgins, W. F., B.Sc. 28, Northampton Road, East Croydon.
- Hill, James Grainger Messrs. Stevens & Williams, Ltd., Brierley Hill Glass Works, Staffs, and 421, Stourbridge Road, Holly Hall, Dudley.
- Hobbie, Ed. H. Glass Manufacturer, Messrs. The Mississippi Wire Glass Co., 220, Fifth Avenue, New York, U.S.A.
- Hobson, Sir A. J., J.P. "Esholt," Ranmoor, Sheffield.
- Hockin, W. J. Messrs. Eclipse Glass Works, Ltd., Lea Bridge, Clapton, London, E. 5.

Hodgkin, A. E., M.C., B.A., A.I.C., F.C.S.	<i>Research Chemist</i> , Messrs. British Glass Industries, Ltd., Charlton, London, S.E. 7.
Hodgson, Reuben	Messrs. Liddle Henzell & Co., Ltd., Ouseburn Glass Works, Newcastle- upon-Tyne, and Wiseton Cottage, Brunton Park, Gosforth.
Hodkin, F. W., B.Sc., A.I.C.	<i>Senior Research Assistant</i> , Department of Glass Technology, The University, Sheffield, and 162, Upperthorpe, Sheffield.
Holdercroft, A. D.	<i>Chemist</i> , Wavertree, Bradwell Lane, Porthill, Stoke-on-Trent.
Holdsworth, Miss Doris, B.Sc.	151, Rock Street, Pitsmoor, Sheffield.
Holland, J.	The Gables, Grindleford, nr. Sheffield.
Holt, T. B.	Messrs. B. W. Clegg & Son, Engin- eers, Balmoral St., Hunslet, Leeds.
Hood, R. W.	c/o Mrs. Braithwaite, 38, Morley Road, Plaistow Road, West Ham, London, E. 15.
Horn, Allan	Messrs. Ayres Quay Bottle Co., Sunderland.
Horsburgh, J. M.	30, Green Street, Forfar.
Hostetter, John Clyde, Ph.D.	<i>Manager</i> , Steuben Division, Messrs. Corning Glass Works, Corning, New York, U.S.A.
Hower, Prof. Harry S.	<i>Prof. of Physics</i> , Carnegie Institute of Technology, Schonley Park, Pittsburgh, Pa., U.S.A.
Howes, Henry Walter	259, Springvale Road, Walkley, Sheffield.
Hughes, Gibbard	Messrs. Hyposol, Ltd., High Road, Wealdstone, Harrow.
Hurlbut, Frank A.	<i>Factory Superintendent</i> , Messrs United Glass Bottle Manufacturers (Charl- ton), Ltd., Charlton, London, S.E. 7.
Hutton, R. S., D.Sc.	Dam House, Mushroom Lane, Sheffield.
Ide, Kiyoshi	Messrs. Asahi Glass Co., Ltd., Maru- nouchi, Tokyo, Japan.
Illingworth, C. H.	<i>Engineer</i> , Middle Farm, Bramley, Hants.
Inman, G. E., B.S.	1876, Knowles Street, Cleveland, Ohio, U.S.A.
Jackling, E.	Messrs. Thermos, Ltd., 2/4, Finsbury Street, London, E.C. 2.
Jackson, A. H.	Messrs. Dowlow Lime & Stone Co., Ltd., Buxton.
Jackson, Miss A. M., B.Sc.	<i>Analytical and Research Chemist</i> , Messrs. Wood Bros. Glass Co., Ltd., Pontefract Road, Barnsley.

Jackson, Fredk.	Messrs. Fredk. Jackson & Co., Ltd., Laboratory Furnishers, 44, Chaple Street, Salford, Manchester.
Jackson, Sir H., K.B.E., F.R.S.	49, Lansdowne Road, Holland Park, London, W.
James, J. G. W.	The Pottery and Glass Trades Benevolent Institution, 3, Dyers Buildings, Holborn, London, E.C.
Jenkinson, S. N., M.B.E.	Messrs. Webb's Crystal Glass Co., Ltd., 40/43, Norfolk Street, Strand, London, W.C. 2.
Johnson, W. P., B.Sc., A.I.C.	Messrs. Webb & Corbett, Ltd., Coalbournhill Glass Works, Stourbridge.
Johnstone, E. G.	Messrs. John Lumb & Co., Ltd., Dunster House, 12, Mark Lane, London, E.C. 3.
Joseph, J.	50, Handen Road, Lee, London, S.E. 12, and Messrs. British Glass Blowers, Ltd., Birnam Works, Tollington Park, London, N. 4.
Kamita, Kiyoshi	Messrs. Asahi Glass Co. Ltd., Marunouchi, Tokyo, Japan.
Kaufmann, J. G.	Manager, "The Glassworker," Box 555, Pittsburgh, Pa., U.S.A.
Kaye, John, M.A., B.Sc., F.I.C.	Manager, Messrs. John Moncrieff, Ltd., Perth, and Clifton Bank, Craigie, Perth.
Kaye, Thomas	39, Queen Street, Craigie, Perth.
Kelkar, Ganesh Damodar, B.A.	847, Sadashiv Peith, Poona City, Bombay Presidency, India.
Kempton, H.	45, Nightingale Lane, Clapham Common, London, S.W. 4.
Kerr, C. H. Cr. E.	15, Oakes Avenue, Southbridge, Mass., U.S.A.
Kershaw, Cecil	Messrs. A. Kershaw & Sons, Ltd., 76, Woodhouse Lane, Leeds, and 200, Harehill's Lane, Leeds.
Kershaw, Lawrence H.	32, Hard Lane, St. Helens.
Keuffel, Carl W.	Messrs. Keuffel and Esser Co., Hoboken, N.J., U.S.A.
Kilner, N. S.	Glass Bottle Machine Manufacturer, Hepworth Chambers, Briggate, Leeds.
Kilner, T. Lister	Messrs. John Kilner & Sons, Ltd., Calder Vale Glass Works, Wakefield.
King, James Watt	Manager, Messrs. Dominion Glass Co., Ltd., Hamilton, Ontario, Canada.
Kirkham, J. R.	"Astoria," Victoria Road, Tipton.

- | | |
|-------------------------------|---|
| Kitson, T. B. | Messrs. Wade & Kitson, 72, Albion Street, Leeds. |
| Kjeugron, S. | Rejmyra, Sweden. |
| Kline, Z. C., B.S. | Glass Factory Manager, 801, Broad Street, Central Falls, R.I., U.S.A. |
| Koering, Eustachius, W., C.E. | Crystal Avenue, Vineland, N.J., U.S.A. |
| Koering, Louis J. | Durand-Koering Glass Co., Vineland, N.J., U.S.A. |
| Kopp, Nicholas | 1529 Shady Avenue, Pittsburgh, Pa., U.S.A. |
| Kosh, Robert | Works Manager, Messrs. City Glass Bottle Co., Ltd., Ford's Park, Canning Town, London, E. 16. |
| Krak, Jan Berghuis, B.Sc. | 42, Hammond Street, Jamaica, New York, U.S.A. |
| Lamb, S., A.R.S.M. | 49, Beeches Road, West Bromwich. |
| Lamont, Wm. | Messrs. Key Glass Works, Ltd., Cold Blow, New Cross, London, S.E. 14. |
| Lamplough, F. E., M.A. | Messrs. Chance Bros. & Co., Ltd., Glass Works, Smethwick, Birmingham. |
| Langwell, Capt. Ernest H. | 3, Fordhook Avenue, Ealing Common, London, W. 5. |
| Lax, Fredk. | 37, Cross Flatts Avenue, Beeston, Leeds, and Messrs. Lax & Shaw, Ltd., Albert Glass Works, Hunslet, Leeds. |
| Lax, Thos., Jnr. | Messrs. Lax & Shaw, Ltd., Glass Works, Hunslet, Leeds, and Chilliswood, South Parade, Ilkley. |
| Laycock, John E. | Messrs. John Kilne & Sons, Ltd., Calder Vale Glass Works, Wakefield. |
| Le Chatelier, Prof. Henry | Sorbonne University, Paris, and 75, Rue Notre Dame des Champs, Paris, France. |
| Loomis, G. A. | United States Bureau of Standards, Washington, D.C., U.S.A. |
| Löthner, E. G. | Pukeberg, Nybro, Sweden. |
| Lowe, W. H. | 56, Wellington Street, York, and Messrs. York Glass Co., Ltd. |
| Lum, Yukman, B.S. | Chemist, Messrs. Kwong Tung Glass Manufacturing Co., Siu Kong, Honam, Canton, China, and 2, Che Ling, Tung Fok Street, Honam, Canton. |
| Luraschi, A. G. | Messrs. A. Luraschi, Thermometer Makers, 9, Kirby Street, Hatton Garden, London, E.C. 1. |
| Luter, C. A., B.S. | Chemist, Messrs. Carr-Lowrey Glass Co., Baltimore, Md., U.S.A. |

- Macbeth, G. D., Ph.B.
- McCormick, J.
- McDowell, H. F.
- McDowell, J. S., B.S.
- Macgregor, J. F.
- Macgregor, N. C.
- McInnes, R.
- McKaig, W. W.
- McLaughlin, W. A., Ph.B.
- McLellan, Wallace A.
- McLeod, C. Kirkland
- Mallett, K. L.
- Mandefield, J.
- Mann, John
- Marchand, Geoffrey I. C., M.A.
- Marden, A. L.
- Marshall, F. J.
- Marshall, John D.
- Marson, Percival
- Messrs. Macbeth Evans Glass Co., Pittsburgh, Pa., U.S.A.
- Engineer's Department, Dock Office, Hull.
- Messrs. Yorkshire Incandescent Lamp Co., South Accommodation Road, Leeds.
- Research Engineer*, Messrs. Harbison-Walker Refractories Co., 1800, Farmers' Bank Building, Pittsburgh, Pa., U.S.A.
- Merchant*, 4, Foochow Road, Shanghai, China, and 1, Rangoon Street, Cruched Friars, London, E.C. 3.
- Merchant*, Messrs. Caldbeck Macgregor & Co., Ltd., Foochow Road, Shanghai, China.
- Director*, Messrs. Scientific Supplies Co., Ltd., 52, Hatton Garden, London, E.C.
- Messrs. Wellington Glass Co., Cumberland, Md., U.S.A.
- Works Manager*, Messrs. Forth Glass Works, Ltd., Firhill, Glasgow.
- 122, Bishop's Mansions, London, S.W. 6.
- 83, Colborne Street, Montreal, Canada.
- Glass Bottle Manufacturer*, Messrs. T. Barron, Ltd., Mexboro', and Ivydene, Bawtry, Yorks.
- Department of Overseas Trade, 35, Old Queen Street, London, S.W. 1, and 26, Gressenhall Road, Southfields, London, S.W. 18.
- Glassworks Engineer*, Messrs. Derby Crown Glass Co., Ltd., Little Chester, Derby.
- Managing Director's Assistant*, Messrs. British Glass Industries, Ltd., 40/43, Norfolk Street, Strand, London, W.C. 2, and The Warren, Traveller's Lane, Hatfield, Herts.
- Chemist*, Messrs. Lemington Glass-works, Ltd., Lemington-on-Tyne.
- Chemist*, Messrs. Medway Glass Works, Queenborough, Kent.
- Messrs. John Bell & Croyden, Ltd., 50, Wigmore Street, London, W. 1.
- Whinhouse, Sidney Terrace, Craigen-tenny, Edinburgh, and Messrs. Webb's Crystal Glass Co., Ltd., Edinburgh and Leith Flint Glass Works, Norton Park, Edinburgh.

Martin, Edward Butler	Milford House, Brockley Grove, Brockley, London, S.E. 4.
Martin, William, M.A., M.D.	Messrs. Brady & Martin, <i>Chemical and Scientific Apparatus Manufacturers and Dealers</i> , Northumberland Road, Newcastle-upon-Tyne.
Mayhew, W. H.	<i>Sub-manager</i> , Messrs. Chance Bros. & Co., Ltd., Smethwick, Birmingham, and 20, Hope Street, West Bromwich.
Meigh, Edward, M.B.E., M.Sc.	Messrs. British Hartford-Fairmont Syndicate, Ltd., Audrey House, Ely Place, London, E.C. 1, and 2, Upper Tooting Park Mansions, London, S.W. 17.
Metzgar, H. C.	<i>Constructional Engineer</i> , 39, Babinetton Road, Streatham, London, S.W. 16, and 2, Central Buildings, Westminster, London, S.W. 1.
Middleton, G. G., B.Sc.Tech.	7, Highland Grove, Worksop.
Miller, D. K., B.S.	<i>Chemist</i> , Messrs. The General Optical Co., Mount Vernon, New York, U.S.A.
Miller, Frank R.	Messrs. British Glass Industries, Ltd., Stephenson Street, Canning Town, London, E. 16.
Misra, H. N., B.Sc.	7, Neill Road, Lucknow, India.
Misumi, Aizo	Messrs. Asahi Glass Co., Ltd., Marunouchi, Tokyo, Japan.
Mitchell, P. J., M.I.Mech.E., M.I.S.I.	<i>Consulting Engineer</i> , 2, Central Buildings, Westminster, London, S.W. 1, and 37, Avenue Road, London, N.W. 8.
Monroe, Harold W., B.Sc.	Board of Trade (Scientific Instrument, Glassware and Potash Production Branch), Great George Street, London, S.W. 1.
Montgomery, R. J.	<i>Ceramic Engineer</i> , Messrs. Bausch and Lomb Optical Co., Rochester, New York, U.S.A.
Moorshead, T. C.	<i>Technical Adviser</i> , Messrs. British Glass Industries, Ltd., 40/43, Norfolk Street, Strand, London, W.C. 2, and <i>Assistant General Manager</i> , Messrs. United Glass Bottle Manufacturers, Ltd., Charlton, London, S.E. 7.
Morrison, S. W., O.B.E.	Board of Trade (Scientific Instruments, Glassware and Potash Production Branch), Great George Street, London, S.W. 1.
Morton, Edward	Messrs. British Glass Bottle Co., Glass Works, Wath-on-Dearne, Yorkshire.

Mueck, Otto	<i>Glass Engineer and Designer of Automatic Glass Machinery</i> , 38, Glazebury Road, Kensington, London, W. 14.
Muirhead, Miss C. M. M., B.Sc.	41, Broomhall Place, Sheffield.
Murray, G.	<i>Glass Blower</i> , Weeland Road, Knottingley.
Nakamura, Professor Seiji	<i>Professor of Experimental Physics</i> , Physical Institute, Imperial University, Tokyo, Japan.
Newbould, Wm.	<i>Furnace Builder</i> , 71, Church Street, Hunslet, Leeds.
Northwood, John	"Honeybourne," North Street, Brierley Hill, Staffs., and Messrs. New English Glass Manufacturing Co., Ltd., Dudley Port.
Nutting, P. G.	<i>Director</i> , Westinghouse Research Laboratory, Messrs. Westinghouse Electric and Manufacturing Co., East Pittsburgh, Pa., U.S.A.
Ogale, Gurunath, P., L.M.E.	Messrs. Ogale Glass Works, Ogalewadi, India.
O'Neill, Frank	Messrs. O'Neill Machine Co., Toledo, Ohio, U.S.A.
O'Neill, Wilson M.	Messrs. O'Neill Machine Co., Albany Works, Willesden Junction, London, N.W. 10.
Ono, Masakichi	Messrs. Asahi Glass Co., Ltd., Marunouchi, Tokyo, Japan.
Östlund, Klas E.	Högbergsgatan 21, Stockholm, Sweden.
Ota, Hirotaro, B.A.	<i>Engineer Research Laboratory</i> , Messrs. Asahi Glass Co., Ltd., Tokyo, Japan.
Oxberry, James E.	9, Nicholas Street, York, and Messrs. York Glass Co., Ltd., York.
Pai, Hu Wei	Box 136, Wilkinsburg, Pa., U.S.A.
Pandit, A. V., B.Sc.	<i>Glass Manufacturer</i> , Messrs. Shree Onama Glass Works, Gondia, C.P., India.
Parker, W. B., F.I.C.	<i>Chief Chemist</i> , Messrs. British Thomson-Houston Co., Ltd., Rugby.
Parkin, Michael, M.Sc.	<i>Demonstrator and Research Assistant</i> , Department of Glass Technology, The University, Sheffield.
Parkinson, Caleb	Ambler Thorn Fireclay Works, Halifax.
Parsons, Sir C. A., K.C.B., LL.D., F.R.S.	<i>Chairman</i> , Messrs. Derby Crown Glass Co., Ltd., Derby, 1, Upper Brook Street, London, W. 1, and Heaton Works, Newcastle-upon-Tyne.

- Parsons, H. G. 119, Church Street, Lower Edmonton, London, N. 9.
- Pasotti, F. G. *Engineer*, Messrs. United Glass Bottle Manufacturers (Charlton), Ltd., Charlton, Kent, and 58, Gloucester Crescent, Regent's Park, London, N.W. 1.
- Paterson, C. C., O.B.E., M.I.C.E., M.I.E.E., F.Inst.P. Research Laboratories, Messrs. General Electric Co., Osram Robertson Lamp Works, Brook Green, Hammersmith, London, W. 6.
- Paton, James *General Manager*, Messrs. Dowson & Mason Gas Plant Co., Ltd., Levenshulme, Manchester.
- Pattison, J. R. W. Pilgrim Glass Works, 29, Montford Place, Upper Kennington Lane, London.
- Payne, Arthur Raymond, B.S., M.S. Hazel Atlas Glass Co., Clarksburg, W. Va., U.S.A.
- Pearson, Samuel *Glass Bottle Manufacturer*, Charles Street, West Bromwich.
- Pearson, W. F. Charles Street, West Bromwich.
- Peddle, C. J., M.B.E., D.Sc., F.I.C. *Managing Director*, Messrs. Derby Crown Glass Co., Ltd., Little Chester, Derby, and Ravenscliffe, Turnditch, nr. Derby.
- Pemberton, H. *Glasshouse Pot Maker*, Nook Street, Hillidge Road, Hunslet, Leeds.
- Peregrine, C. R. Messrs. Macbeth-Evans Glass Co., 14th Floor, Chamber of Commerce Building, Pittsburgh, Pa., U.S.A.
- Perry, G. H. Pearson Messrs. Mobberley & Perry, Ltd., Stourbridge.
- Pitt, H. H. Christon Bank, Lesbury, Northumberland.
- Pitt, S. A. *The City Librarian*, The Mitchell Library, Glasgow.
- Plowden, H. C. Amblecote, Stourbridge, and Messrs. Dial Glass Works, Stourbridge.
- Poste, Emerson, P., B.Sc. *Chemical Engineer*, Messrs. Elyria Enamelled Products Co., Elyria, Ohio, U.S.A.
- Powell, Cecil The Hermitage, Weston-super-Mare.
- Powell, Harry J., C.B.E., B.A. 80, Alleyn Road, Dulwich, London, S.E.
- Powell, Walter *Chief Librarian*, Public Reference Library, Ratcliffe Place, Birmingham.
- Preston, Ernest *Chemical and Scientific Apparatus Dealer*, 105, Barker's Pool, Sheffield.
- Proctor, Wm. 28, Cambridge Road, Thornaby-on-Tees, and Messrs. Tees Glass Bottle Works, Thornaby.

Purser, Ernest Jos.	Messrs. Greener & Co., Wear Flint Glass Works, Sunderland.
Quine, E., B.Sc.	<i>Secretary</i> , Messrs. Glass Research Association, 50, Bedford Square, London, W.C. 1.
Rabinovitch, Leo, D.Sc.	<i>Consulting Engineer and Chemist</i> , "Leowolka," Prince's Park Avenue, London, N.W. 4, and Messrs. Cosmos Lamp Works, Ltd., Brimsdown.
Ramsden, C. E.	Messrs. C. E. Ramsden & Co., Foley Colour Works, Fenton, Stoke-on-Trent.
Rands, H. C., B.Sc.	Messrs. Derby Crown Glass Co., Ltd., Little Chester, Derby.
Read, Harold M.	"The Briers," North Park Avenue, Roundhay, Leeds.
Redfern, Francis, jun.	Messrs. John Lamb & Co., Ltd., 12, Mark Lane, London, E.C. 3.
Rees, W. J., F.I.C., B.Sc.Tech.	Department of Refractory Materials, The University, Sheffield, and 102, Ivy Park Road, Sheffield.
Rex, J. D.	<i>Mechanical Engineer</i> , Messrs. Lemington Glassworks, Ltd., Lemington-on-Tyne.
Richardson, Benjamin	Wordsley Flint Glass Works, Stourbridge, Staffs.
Richardson, Elwood A.	Messrs. Libbey Glass Manufacturing Co., Toledo, O., U.S.A., and 220, Lloyd Street, Toledo.
Richardson, Wm. H. Arthur	Wordsley Flint Glass Works, Stourbridge, Staffs.
Riches, H. Cecil	3, Park Place, Cardiff.
Ridley, W. T.	"Newstead," Bute Gardens, Walton, Surrey.
Ridout, A. T.	<i>Glassworks Manager</i> , Messrs. British Glass Bottles, Ltd., Derby, and 162, Milcote Road, Smethwick.
Roberts, O., B.Sc.	1, Argyle Road, Anfield Liverpool.
Robertson, E. D. J.	Morningside, Kilmarnock, Ayrshire.
Robinson, A.	204, Cross Flatts Grove, Dewsbury Road, Leeds, and Messrs. British Glass Industries, Ltd., Hunslet, Leeds.
Robinson, William	Messrs. Scottish Glass Co., Ltd., Milbank, Alexander Parade, Glasgow.
Robinson, W. S.	Messrs. Barr & Stroud, Ltd., Anniesland, Glasgow.

Rollin, C., D.Sc., F.G.S.	<i>Chemical Manufacturer</i> , 1, St. Nicholas Buildings, Newcastle-upon-Tyne, and Keys House, Gilesgate, Durham.
Rosenhain, Walter, B.A., D.Sc., F.R.S.	National Physical Laboratory, Teddington, Middlesex.
Ross, Donald, B.S.	Messrs. Findlay Clay Pot Co., Washington, Pa., U.S.A.
Ross, F. T.	Messrs. Australian Glass Manufacturers Co., Ltd., Dowling Street, Waterloo, Sydney, N.S.W., and Woolware Road, Burraneer Bay, via Sutherland, N.S.W.
Rumens, John	"Rosebank," Station Rd., Winchmore Hill, London, N. 21, and Messrs. United States Glass Co., Pittsburg, Pa., U.S.A.
Russell, Frank, F.G.S.	Auldam House, Worksop.
Savage, Herbert, A.I.C., F.C.S.	Laboratory, 84-86, Chancery Lane, London, W.C. 2.
Saxton, C.	Société Anonyme des Verreries, D'Aigues-Mortes, Gard, France.
Scholes, S. R., Ph.D.	Messrs. H. C. Fry Glass Co., Rochester, Pa., U.S.A.
Schurtz, Dale D.	<i>Glass Chemist</i> , Messrs. Sharp-Schurtz Co., Lancaster, Ohio, U.S.A.
Scotland, John	Messrs. Forth Bottle Works, Portobello, Edinburgh.
Scott, A. A. H.	<i>Architect</i> , 13, Old Square, Lincoln's Inn, London, W.C. 2.
Scott, Alexander, M.A., D.Sc.	Central School of Science and Technology, Stoke-on-Trent.
Searle, A. B.	<i>Consulting and Analytical Chemist</i> , The White Buildings, Fitzalan Square, Sheffield.
Seddon, J., A.M.I.Mech.E.	Radley, Hungerford, Berks.
Sharp, D. E.	Messrs. Spencer Lens Co., Optical Glass Plant, Hamburg, New York, U.S.A.
Sharp, Edward	Glass Works, 178, Glyn Road, Clapton, London, E. 5.
Sharp, R.	38, Alkham Road, Stoke Newington, London, N. 16.
Sharp, T. W.	Messrs. Sharp Bros., <i>Flint Glass Bottle Manufacturers</i> , Clapton Park, Glass Works, 178, Glyn Road, Clapton Park, London, E. 5.
Shaw, A. E.	Messrs. Lax & Shaw, Ltd., Glass Works, Hunslet, Leeds.
Shaw, J. S.	Messrs. Lax & Shaw, Ltd., Glass Works, Hunslet, Leeds.

Shaw, Norman	Messrs. Shaws (Huddersfield), Ltd., Storths Mill, Mold Green, Huddersfield.
Shaw, S. H.	Messrs. Lax & Shaw, Ltd., Glass Works, Hunslet, Leeds.
Sheard, T. W.	"Rosebery," Stairfoot, Barnsley, and Messrs. Rylands Glass and Engineering Co., Ltd., Stairfoot, Barnsley.
Shelly, F.	<i>Bottling Manager</i> , "Fairfield," Horninglow, Burton-on-Trent.
Sherratt, Harold.	3, Marshall Place, Cheetham, Manchester.
Shibata, R.	41, Kamiroku-Bancho, Konimachi, Tokyo, Japan.
Shively, R. R., Ph.D.	c/o Y.M.C.A., Fairmont, W. Va., and Messrs. Monongah Glass Co., Fairmont, W. Va., U.S.A.
Silverman, Prof. A.	The University of Pittsburgh, School of Chemistry, Pittsburgh, Pa., U.S.A.
Simpson, Colonel T. W.	Messrs. British Glass Industries, Ltd., Stephenson Street, Canning Town, London, E. 16.
Skidmore, George R. J.	<i>Glass Pot Maker</i> , Merton House, Trewitt Road, Whitley Bay, Northumberland.
Sloan, Alexander	<i>Chemical Manufacturer</i> , Cumberland, Md., U.S.A.
Smales, Amos	Messrs. Alfred Alexander & Co., Ltd., Glass Bottle Works, Blaydon-on-Tyne.
Smart, G. W.	Messrs. Gay & Wilson, South Wootton, King's Lynn.
Smith, Henry	<i>Glass House Pot Maker</i> , 27, Tillie Street, Kelvinbridge, Glasgow.
Smith, Roy Sinclair	"Medlow," Bowden Street, Ryde, New South Wales, Australia.
Snowdon, William C.	62, Durham Road, Stockton-on-Tees.
So, Masamichi, D.Sc.	<i>Engineer</i> , Messrs. Tokyo Electric Co., Kawasaki, Japan, and 1278, Omori Araishiku, Tokyo.
Söderhielm, Captain R.	<i>Glassworks Director</i> , Arsenalsgatan, 2, Stockholm, Sweden.
Sosman, Robert B., Ph.D.	Geophysical Laboratory, Washington, D.C., U.S.A.
Southerst, J.	<i>Glass Bottle Manufacturer</i> , Messrs. Farnworth Machine Glass Co., Farnworth, nr. Bolton.
Speight, T. H.	Messrs. Speight & Sons, Hunslet Pattern Works, Leeds,

Spencer, Frank B.	<i>Mechanical Engineer</i> , Parliament Mansions, Victoria St., Westminster, London, S.W.
Stafford, Charles S., M.I.E.E.	25, Foyle Road, Blackheath, London, S.E. 3.
Steele, James H.	<i>Glass Manufacturer</i> , Excelsior Glass Works, Pendleton, and 52, Withington Street, Pendleton, Manchester.
Stephens, P. B.	Messrs. Wm. Brooke (Leeds), Ltd., Hunslet, Leeds.
Stevenson, Arnold, B.A., M.B.E.	4, Porchester Gardens, London, W.
Stewart, James	10, Cornhill Terrace, Jeanfield, Perth.
Stobart, H. J., O.B.E.	Messrs. Chance Bros. & Co., Ltd., Glass Works, Smethwick, Birmingham.
Stokes, Lewis L.	Cumberland Glass Manufacturing Co., Bridgeton, N.J., U.S.A.
Stone, H. H. H.	<i>Office Manager</i> , Messrs. United Glass Bottle Manufacturers (Charlton), Ltd., Charlton, Kent, and 16, Montpelier Row, Blackheath, S.E. 3.
Stott, Vaughan H., M.Sc.	<i>Research Chemist</i> , The National Physical Laboratory, Teddington.
Stott, Verney, B.A., F.Inst.P.	Metrology Department, The National Physical Laboratory, Teddington, Middlesex.
Styring, J. B.	Messrs. Thos. Styring & Son, 327, Penistone Rd., Sheffield.
Sullivan, E. C., B.S. (Chem.), Ph.D.	Messrs. Corning Glass Works, Corning, New York, U.S.A.
Sumida, Hyoichi	Messrs. Asahi Glass Co., Ltd., Marunouchi, Tokyo, Japan.
Svanlund, A. H.	<i>Director of Glass Works</i> , Askersund, Sweden.
Swann, F.	Trades Hall, Upper Fountaine Street, Leeds.
Swinden, Ernest	Messrs. Ernest Swinden & Co., <i>Glass Cutters and Decorators</i> , 7, Clay Lane, Eyre Street, Sheffield.
Swinden, R. T.	Messrs. Ernest Swinden & Co., 7, Clay Lane, Eyre Street, Sheffield.
Tait, H. J., B.A., B.Sc.	Messrs. Phoenix Glass Co., Monaca, Pa., U.S.A.
Takahashi, Kakuichiro	<i>Manager of Bottle Department</i> , Messrs. Dai Nippon Brewery Co., Hodogaya, nr. Yokohama, Japan.
Tatlock, J. D.	Messrs. Baird & Tatlock, Ltd., <i>Scientific Instrument Makers</i> , 45, Renfrew Street, Glasgow.
Taylor, F.	<i>Glass Bottle Manufacturer</i> , Messrs. English Glass Bottle Co., Bradfield Road, Sheffield.

- Taylor, H. W. Oddin
Taylor, W. C.
Teisen, Theodore, B.Sc.

Thomas, Lt.-Col. C. W.
Thomas, George

Thomas, H.

Thompson, J.

Thomson, Lt.-Col. G. L.
Thomson, Miss M. E.
Thouvenin, Maurice M.

Tiebout, Cornelius H., A.M.

Tillotson, Edwin Ward, Jnr.,
B.A., Ph.D.

Tinkler, W.
Tipping, J.

Tod, C.

Toogood, Wm. T.

Travers, M. W., D.Sc., F.R.S.,
F.I.C., F.Inst.P.
Trewartha-James, W. H.,
M.I.M.M., M.I.M.E., M.C.M.I.
Tsuji, Baron Taro, M.S., B.S.
Tucker, T.

Tunnock, W. S.

Turnbull, Thos. G.
Turner, A. E. M.
Turner, Donald, B.Sc.Tech.
Turner, Professor W. E. S.,
O.B.E., D.Sc., M.Sc.,
F.Inst.P.

Vaidya, K. B.
- 6, Colville Houses, Colville Square,
London, W. 11.
Chemist, Messrs. Corning Glass Works,
Corning, New York, U.S.A.
Messrs. A. Hermansen, *Glass Furnace Builders*, County Chambers,
66½, Corporation St., Birmingham.
Clifton House, Oldswinford, Stourbridge.
Glassworks Manager, Messrs. Western
Glass Bottle Co., Ltd., Crindau
Works, Newport, Mon.
Engineer and Designer, Messrs. J.
Wright & Co., Ltd., Essex Works,
Birmingham.
Central Secretary (Yorkshire G. B. M.),
2, Wesley Street, Castleford.
The Manor House, Effingham, Surrey.
98, Harley Street, London, W. 1.
Glass Manufacturer, Verrerie de Vierzon,
Vierzon-Forges, Cher, France.
Glass Manufacturer, 921, Lincoln
Place, Brooklyn, New York, U.S.A.
511, South Lang Avenue, Pittsburgh,
Pa., U.S.A., Assistant Director,
Mellon Institute, University of
Pittsburgh, Pa., U.S.A.
Headlands, Knottingley, Yorks.
Engineer, Glebe Villa, The Glebe,
Blackheath, London, S.E. 3.
3, Bromley Lane, Kingswinford, Dudley,
Worcester.
65, Sarsfield Road, Balham, London,
S.W. 12.
Beacon Hall, Priory Gardens, Highgate,
London, N. 6.
Finsbury House, Blomfield Street,
London, E.C. 2.
543, Sendagaya, Tokyo, Japan.
Messrs. T. Tyrer & Co., Ltd.,
Stirling Chemical Works, Canning
Road, Stratford, London, E.
“Fairholme,” Eccleston Park, Prescot,
Lancs.
Cornhill Glass Works, Sunderland.
Stoneleigh, South Anston, nr. Sheffield.
41, Coverdale Road, Sheffield.
Department of Glass Technology,
The University, Darnall Road,
Sheffield, and 30, Whitworth
Road, Ranmoor, Sheffield.

Rajaram Villa, Camp-Dadar, Bom-
bay, No. 14, India.

Van Meter, W. L.	Messrs. Ingersoll Rand Co., 165, Queen Victoria Street, London, E.C. 4.
Van Nieuwenburg, Professor C. J., Dr. Tech. Sc.	<i>Professor of Analytical Chemistry</i> , The University, Delft, Holland, and 21a Rotterdamsche Weg, Delft.
Varshnei, B. D., L.T.C.	Messrs. United Provinces Glass Works, Bahjoi, U. P., India.
Veazey, William R., Ph.D.	<i>Chemist</i> , Case School of Applied Science, Cleveland, Ohio, U.S.A.
Vickers, H.	<i>Sales Manager</i> , Messrs. Wood Bros. Glass Co., Ltd., Barnsley.
Vieweg, G. B.	<i>Assistant Manager</i> , Messrs. The Mississippi Glass Co., Morgantown, W. Va., U.S.A.
Waggoner, Jack Holmes, B.S.	<i>Chemical Engineer</i> , Messrs. Canadian Libbey Owens Sheet Glass Co., Ltd., Hamilton, Ontario, Canada.
Wainwright, F. P.	Messrs. Turners' Glass Works Co., Ltd., Worksop.
Waite, Horatio T.	24, E. Oak Street, Newark, Ohio, U.S.A.
Walcott, A. J., M.Sc.	Messrs. Bausch & Lomb Optical Co., Rochester, New York, U.S.A.
Walker, G. Gordon	Messrs. John Lumb & Co., Ltd., 12, Mark Lane, London, E.C. 3.
Walker, Brig.-Gen. James Workman, C.M.G., D.S.O., J.P.	Castle Park, Irvine, Scotland.
Wallis, Percy	Percy Villa, Queenboro', Kent.
Walters, Arnold	Rock Lea, Hathersage, nr. Sheffield.
Wardley, Thomas	<i>Engineer</i> , Messrs. British Hartford-Fairmont Syndicate, Ltd., 142, Audrey House, Ely Place, London, E.C. 1, and 5, Purex Road, Greenford.
Warren, W. W., A.M.I.C.E., A.M.I.E.E.	Messrs. Lemington Glassworks, Ltd., Lemington-on-Tyne.
Warthen, J. A.	<i>Superintendent of Works</i> , Messrs. American Bottle Co., Newark, Ohio, U.S.A.
Washburn, Prof. E. W., S.B., Ph.D.	<i>Professor of Ceramic Chemistry</i> , University of Illinois, Urbana, Illinois, U.S.A.
Wauty, Edgard	<i>Glass Manufacturer</i> , Messrs. Société Anonyme des Verreries & Gobelettes Nouvelles, Manage, Belgium.
Webb, Duncan	Messrs. Molineaux Webb & Co., Ltd., Manchester Flint Glass Works, Kirby St., Ancoats, Manchester.
Webb, Duncan, Jnr.	Messrs. Molineaux Webb & Co., Ltd., Manchester Flint Glass Works, Kirby St., Ancoats, Manchester.

- Webster, J. H., A.M.I.M.E. c/o Messrs. The Portland Glass Co., Ltd., Irvine, Ayrshire
- Welton, J. A., B.S. *Chemist*, Glass Technology Department, National Lamp Works, Cleveland, Ohio, U.S.A.
- West, Chas. H. *Glass Manufacturer*, 6323, Forbes Street, Pittsburgh, Pa., U.S.A.
- Whatmough, W. A., B.Sc., A.I.C. Messrs. John Tye & Sons, 457, Caledonian Road, London, and The Nook, Ravensdale Avenue, North Finchley, London, N.
- Wheaton, Frank H. *Glass Bottle Manufacturer*, Millville, N.J., U.S.A.
- Wheeler, Norman F. "Cromac Springs," Belfast.
- White, E. R. 49, Morrett Drive, Halton, nr. Leeds, and Messrs. Alexander & Co., Ltd., *Glass Bottle Works*, Hunslet, Leeds.
- White, H. B. 22, Highfield Road, Derby.
- Wilcox, E. Oldswinford Castle, Stourbridge.
- Williams, E. Messrs. Metropolitan Glass Works, Ltd., Trafalgar Buildings, 1, Charing Cross, London, W.C. 1.
- Williams, J. Harry Maryland Glass Corporation, Baltimore, U.S.A.
- Williams, Warren S., B.S. Messrs. American Window Glass Co., Arnold, Pa., U.S.A.
- Willmer, Edward A. B., O.B.E., A.M.I.C.E. Parliament Mansions, Victoria Street, London, S.W. 1.
- Willock, J., Jnr. *Glass Bottle Manufacturer*, Messrs. Glenpark Glass Bottle Co., 60, East Nelson Street, Glasgow.
- Wilson, Alfred *Gas Furnace Engineer*, 35, Doxey, nr. Stafford.
- Wilson, Benjamin Messrs. Glassworks, Ltd., Kimberley Road, Edmonton, London, N.
- Wilson, Bernard, M.A. *Education Secretary*, County Education Office, Stafford.
- Wilson, D. *Glass Merchant*, 75, High Street, Mexboro', nr. Rotherham.
- Wilson, G. V., B.Sc. H.M. Geological Survey Office, 33, George Square, Edinburgh.
- Wilson, Robin *Engineer*, Messrs. British Glass Industries, Ltd., 40/43 Norfolk Street, Strand, London, W.C. 2, and 132, Alexandra Road, West Hampstead, London, N.W. 8.
- Winship, Wm. W. *Manager*, Messrs. Thermal Syndicate, Ltd., 50, East Forty-first Street, New York, U.S.A.
- Winwood, Henry *Glass Pot Maker*, Stanley Villa, Corser St., Oldswinford, Stourbridge.
- Winwood, S. *Glasshouse Pot Maker*, 38, Shafto Street, Scotswood-on-Tyne.

Wise, Wilfred, B.Sc., C.E.	Field Cottage, Ashridge Vale, Chesham, Bucks.
Wood, Alfred J.	Messrs. Hartley Wood & Co., Portobello Glass Works, Sunderland.
Wood, Capt. Alphonse	c/o Messrs. Wood Bros. Glass Co., Ltd., Borough Flint Glass Works, Barnsley.
Wood, Dennis, F.S.A.A., A.F.T.Com.	22, Craven Avenue, Ealing, London, W. 5.
Wood, T. Eugène, M.A., LL.B.	"The Limes," Kedleston Rd., Derby, and Messrs. Derby Crown Glass Co., Ltd., Little Chester, Derby.
Wood, W. F. J., C.B.E., B.Sc., F.I.C.	Ardsley House, Barnsley, and Messrs. Wood Bros. Glass Co., Ltd., Pontefract Road, Barnsley.
Wray, T. B.	<i>Iron and Brass Founder</i> , Albion Foundry, Castleford, Yorks.
Wright, H.	<i>Engineer</i> , 19, Foxberry Road, Brockley, London, S.E. 4.
Wynne, Prof. W. P., D.Sc., F.R.S., F.I.C.	Chemistry Department, The University, Sheffield.
Yamada, Sanjiro	<i>Managing Engineer</i> , Messrs. Asahi Glass Co., Ltd., Marunouchi, Tokyo, Japan.
Yoshioka, Tosaku	<i>Assistant Professor of Chemical Technology</i> , Imperial University, Kioto, Japan.
Youldon, Fredk.	Messrs. Amalgamated Glass Bottle Works, Ltd., Treby St., Maplin St., Mile End, London, E.
Young, A. R.	Les Grandes Capilles, S. Sampsons, Guernsey.
Yung, W. A., B.S.	<i>Chemical Engineer</i> , Edison Lamp Works, of Messrs. General Electric Co., Harrison, N.J., U.S.A.
Zeal, G. H	<i>Clinical Thermometer Manufacturer</i> , 82, Turnmill Street, London, E.C.1.

STUDENT MEMBERS.

Mitchell-Withers, J. A.	14, Oakholme Road, Sheffield.
Norton, Lionel E.	46, Woodberry Down, Finsbury Park, London, N. 4.
Sheen, Arthur Renwick	13, St. Gabriel's Road, Cricklewood, London, N.W. 2.
Turner, Stanley, B.Sc.Tech.	Stoneleigh, South Anston, nr. Sheffield.

The preceding list includes members elected prior to December 31st, 1921. The Secretary will be glad to receive corrections and notification of changes of address.

SUMMARY

A. Total Members elected up to the end of 1921 :—

Honorary	...	...	...	...	...	...	...	...	...	...	1
Collective	...	...	...	...	...	...	...	...	...	...	149
Ordinary	...	...	...	...	...	...	...	...	...	...	569
Student	...	...	...	...	...	...	...	...	...	...	24
Total	...	...	...	...	...	...	...	...	...	...	743
											=====

B. Members on the Roll, 31st December, 1921 :—

	Location.	Honorary.	Collective.	Ordinary.	Student.	Total.	
British Isles	1	126	363	4	494
Argentina	—	—	1	—	1
Australia	—	2	3	—	5
Belgium	—	—	1	—	1
Canada	—	—	5	—	5
China	—	—	4	—	4
France	—	4	6	—	10
Holland	—	1	1	—	2
India	—	1	11	—	12
Japan	—	2	14	—	16
South Africa	—	1	2	—	3
Spain	—	—	1	—	1
Sweden	—	—	7	—	7
U.S.A.	—	5	97	—	102
		1	142	516	4	663	
		=====	=====	=====	=====	=====	

**THE UNIVERSITY,
DARNALL ROAD,
SHEFFIELD.**

